

## 775-70-HDWTMP\*1-1/2

380-430 MHz



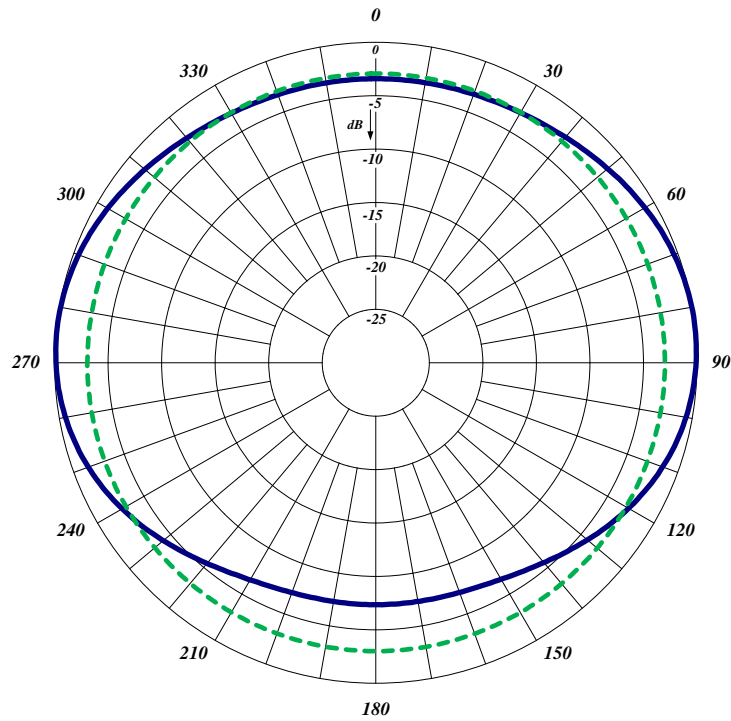
### 775-70-HDWTMP\*1-1/2

The 775-70-HDWTMP\*1-1/2 is a Wide Band, Low PIM, Heavy Duty Welded UHF Antenna. It is equivalent to dual 774-70 antennas combined into one mast. All our antennas can be completely customized to your particular application. Our antennas can be configured for side mount or top mount. This antenna is configured for top mount. The 775-70-HDWTMP\*1-1/2 has internal cabling and fixed dipole-mast spacing.

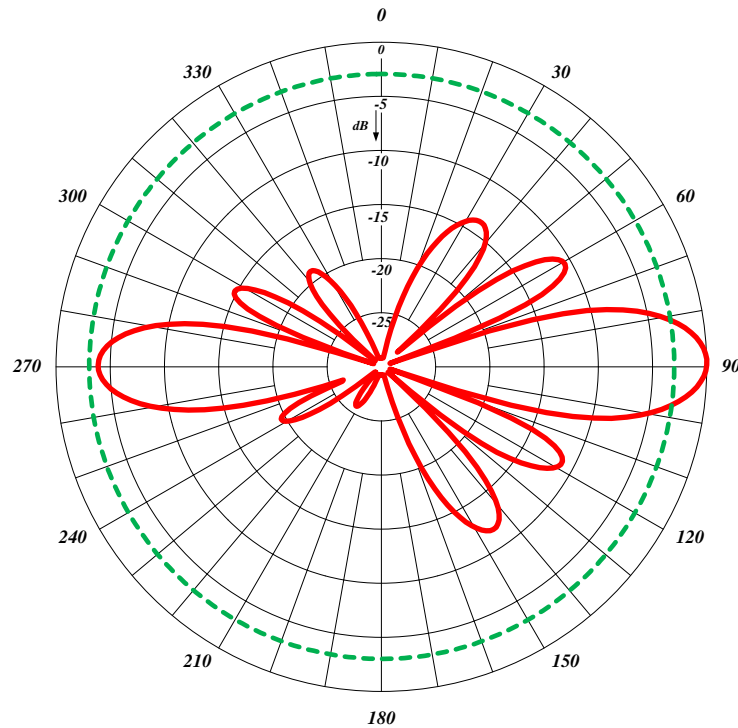
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/2 wave spacing offering bi-directional radiation pattern.
- Standard connector is 7/16 DIN-Male and optional 4.3-10 is also available.

Electrical Specifications	775-70-HDWTMP*1-1/2
Frequency Range, MHz	380-430
Nominal Gain, dBd	8.0-8.5
Number of Dipoles	2 sets of 4
Bandwidth 1.5:1 VSWR, MHz	50
Polarization	Vertical
Pattern	Bi-directional
Power Rating, Watts	300
Nominal Impedance, Ohms	50
Isolation, dB	30
Lightning Protection	DC Ground
Connector	7/16 DIN
PIM	150 dBc (2 x 20W carriers)
Mechanical Specifications	775-70-HDWTMP*1-1/2
Length, in (mm)	246 (6248)
Width, in (mm)	16 (406)
Weight, lbs. (kg)	73 (33)
Rated Wind Velocity, No Ice, mph (km/h)	155 (250)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	120 (193)
Lateral Thrust @ 100 mph, wind, lbs. (N)	173 (766)
Bending Moment @ top clamp: 100 mph, ft*lb (N*m)	911 (1235)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	6.5 (0.460)
Mounting Information Mast O.D. (mm)	2.88" (73)





Half-wave Spacing Horizontal



Half-wave Spacing Vertical